Implement a function which takes a NumPy array **x** of any shape, and output another NumPy array of the same shape, and filled with elements the given function below:

As an example, if the input array x is given as following:

x = array([ 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9])

Your output array should read like

array([ 0.81630974, 0.37634442, -0.01428349, -0.02897513, 0.2938003 ,

0.35965328, -0.23288916, -0.48739075, 1.12677117])